WHAT IS CLAIMED IS:

1.   A voice synthesizing apparatus for converting text data into a synthetic voice and outputting it, characterized by:

5   voice waveform generating means for generating the voice waveform of said text data;

overlap detecting means for detecting the overlap of the voice outputs of a plurality of said text data; and

10   voice output means for voice-synthesizing and outputting the voice waveforms generated from said text data of which the overlap has been detected in different volumes.

15   2.   A voice synthesizing apparatus according to Claim 1, characterized in that said voice output means determines the volume of the synthetic voice concerned with said plurality of text data on the basis of the priority of said plurality of text data.

20

3.   A voice synthesizing apparatus according to Claim 2, characterized by the provision of importance setting means for setting the importance of said plurality of text data.

25

4.   A voice synthesizing apparatus according to Claim 3, characterized in that said importance can have

its desired level selected from among a plurality of preset levels.

5.   A voice synthesizing apparatus according to Claim 3 or 4, characterized by the provision of display means and display control means for controlling said display means so as to display a setting screen for setting said importance in response to the output of said overlap detecting means.

6.   A voice synthesizing apparatus according to Claim 2, characterized by the provision of receiving means for receiving said plurality of text data and priority data indicative of the priority of said plurality of text data from the outside of the apparatus.

7.   A voice synthesizing apparatus according to Claim 1, characterized in that when two voices overlap each other, said voice output means makes the rate of the volume of one voice into $a/(a+b)$ and makes the rate of the volume of the other voice into $b/(a+b)$ (a: a parameter concerned with the importance of said one voice, b: a parameter concerned with the importance of said other voice).

8.   A voice synthesizing apparatus according to

Claim 1, characterized in that when three or more

voices overlap one another, said voice output means

makes the rate of the volume of each output voice into

a value obtained by dividing the value of an importance

5   parameter concerned with the importance of said voice

by the sum total of the importance parameters of all

voices outputted in overlapping relation with one

another.

10   9.   A voice synthesizing apparatus according to

Claim 1, characterized in that said voice output means

is capable of effecting the setting of allotting a

particularly great volume to the text data of

particularly high importance.

15

         10.   A voice synthesizing system provided with a

voice synthesizing apparatus for converting text data

into a synthetic voice and outputting it, and an

information processing apparatus for transmitting said

20   text data to said voice synthesizing apparatus,

characterized in that said voice synthesizing apparatus

has:

         voice waveform generating means for generating the

voice waveform of said text data transmitted from said

25   information processing apparatus;

         overlap detecting means for detecting the overlap

of the voice outputs of a plurality of said text data;

and

voice output means for voice-synthesizing and outputting the voice waveforms generated from said text data of which said overlap has been detected in

5   different volumes.

11.   A voice synthesizing system according to Claim 10, characterized in that said voice output means of said voice synthesizing apparatus determines the

10   volumes of the synthetic voices concerned with said plurality of text data on the basis of the priority of said plurality of text data.

12.   A voice synthesizing system according to

15   claim 11, characterized in that said voice synthesizing apparatus is provided with importance setting means for setting the importance of said plurality of text data.

13.   A voice synthesizing system according to

20   Claim 12, characterized in that said importance can have its desired level selected from among a plurality of preset levels.

14.   A voice synthesizing system according to

25   Claim 12 or 13, characterized in that said voice synthesizing apparatus is provided with display means and display control means for controlling said display

means os as to display a setting screen for setting said importance in response to the output of said overlap detecting means.

5   15. A voice synthesizing system according to Claim 11, characterized in that said voice synthesizing apparatus is provided with receiving means for receiving said plurality of text data and priority data indicative of the priority of said plurality of text

10   data from the outside of the apparatus.

       16. A voice synthesizing system according to Claim 10, characterized in that when two voices overlap each other, said voice output means of said voice

15   synthesizing apparatus makes the rate of the volume of one voice into $a/(a+b)$ and makes the rate of the volume of the other voice into $b/(a+b)$ (a: a parameter concerned with the importance of said one voice, b: a parameter concerned with the importance of said other

20   voice).

       17. A voice synthesizing system according to Claim 10, characterized in that when three or more voices overlap one another, said voice output means of

25   said voice synthesizing apparatus makes the rate of the volume of each output voice into a value obtained by dividing the value of an importance parameter concerned

with the importance of said voice by the sum total of the importance parameters of all voices outputted in overlapping relationship with one another.

5   18.   A voice synthesizing system according to Claim 10, characterized in that said voice output means of said voice synthesizing apparatus is capable of effecting the setting of allotting a particularly great volume to the text data of particularly high

10   importance.

      19.   A voice synthesizing method applied to a voice synthesizing apparatus for converting text data into a synthetic voice and outputting it, characterized

15   by the voice waveform generating step of generating the voice waveform of said text data, the overlap detecting step of detecting the overlap of the voice outputs of a plurality of said text data, and the voice outputting step of voice-synthesizing and outputting the voice

20   waveforms generated from said text data of which said overlap has been detected in different volumes.

      20.   A voice synthesizing method according to Claim 19, characterized in that at said voice

25   outputting step, the volumes of the synthetic voices concerned with said plurality of text data are determined on the basis of the priority of said

plurality of text data.

21.   A voice synthesizing method according to Claim 20, characterized by the provision of the importance setting step of setting the importance of said plurality of text data.

22.   A voice synthesizing method according to Claim 21, characterized in that said importance can have its desired level selected from among a plurality of preset levels.

23.   A voice synthesizing method according to Claim 21 or 22, characterized by the provision of the displaying step and the display controlling step of controlling said displaying step so as to display a setting screen for setting said importance in response to said overlap detecting step.

24.   A voice synthesizing method according to Claim 20, characterized by the receiving step of receiving said plurality of text data and priority data indicative of the priority of said plurality of text data from the outside of the apparatus.

25.   A voice synthesizing method according to Claim 19, characterized in that when two voices overlap

each other, said voice outputting step makes the rate of the volume of one voice into a/(a+b) and makes the rate of the volume of the other voice into b/(a+b) (a: a parameter concerned with the importance of said one

5   voice, b: a parameter concerned with the importance of said other voice).

26.   A voice synthesizing method according to Claim 19, characterized in that when three or more

10   voices overlap one another, said voice outputting step makes the rate of the volume of each output voice into a value obtained by dividing the value of an importance parameter concerned with the importance of said voice by the sum total of the importance parameters of all

15   voices outputted in overlapping relationship with one another.

27.   A voice synthesizing method according to Claim 19, characterized in that said voice outputting

20   step is capable of effecting the setting of allotting a particularly great volume to the text data of particularly high importance.

28.   A storage medium storing therein a control

25   program for making a computer realize a voice synthesizing method according to any one of Claims 19 to 27.

29. A control program for making a computer realize a voice synthesizing method according to any one of Claims 19 to 27.

5   30. A voice synthesizing apparatus for converting text data into a synthetic voice and outputting it, characterized by the provision of voice synthesizing means for generating the synthetic voices of a plurality of said text data in accordance with the

10   priority of said plurality of text data and outputting them at a time.

31. A voice synthesizing apparatus according to Claim 30, characterized in that said voice synthesizing

15   means sets the volume of the synthetic voice of each of the text data in accordance with the priority of said plurality of text data.

32. A voice synthesizing apparatus according to

20   Claim 30, characterized by the provision of importance setting means for setting importance for said plurality of text data.

33. A voice synthesizing apparatus according to

25   Claim 30, characterized by the provision of receiving means for receiving said plurality of text data and priority data indicative of the priority of said

plurality of text data from the outside of the apparatus.

34.   A voice synthesizing apparatus for converting text data into a synthetic voice and outputting it, characterized by the provision of voice waveform generating means for generating the voice waveform of said text data, and voice output means for voice-synthesizing the voice waveforms generated from said plurality of text data in different volumes and outputting them at a time.

35.   A voice synthesizing apparatus according to claim 34, characterized in that said voice output means sets the volume of the synthetic voice of each of the text data in accordance with the priority of said plurality of text data.

36.   A voice synthesizing apparatus according to Claim 34, characterized by the provision of importance setting means for setting the importance for said plurality of text data.

37.   A voice synthesizing apparatus according to Claim 34, characterized by the provision of receiving means for receiving said plurality of text data and priority data indicative of the priority of said

plurality of text data from the outside of the apparatus.

38.   A voice synthesizing method applied to a voice synthesizing apparatus for converting text data into a synthetic voice and outputting it, characterized by the voice outputting step of generating synthetic voices of a plurality of said text data in accordance with the priority of said plurality of text data and outputting them at a time.

39.   A voice synthesizing method according to Claim 38, characterized in that at said voice outputting step, the volume of the synthetic voice of each of the text data is set in accordance with the priority of said plurality of text data.

40.   A voice synthesizing method according to Claim 38, characterized by the importance setting step of setting the importance for said plurality of text data.

41.   A voice synthesizing method according to Claim 38, characterized by the receiving step of receiving said plurality of text data and priority data indicative of the priority of said plurality of text data from the outside of the apparatus.

42. A voice synthesizing method applied to a voice synthesizing apparatus for converting text data into a synthetic voice and outputting it, characterized by the voice waveform generating step of generating the

5 voice waveforms of said text data, and the voice outputting step of voice-synthesizing the voice waveforms generated from said plurality of text data in different volumes and outputting them at a time.

10 43. A voice synthesizing method according to Claim 42, characterized in that at said voice outputting step, the volume of the synthetic voice of each of the text data is set in accordance with the priority of said plurality of text data.

15

44. A voice synthesizing method according to Claim 42, characterized by the importance setting step of setting the importance for said plurality of text data.

20

45. A voice synthesizing method according to Claim 42, characterized by the receiving step of receiving said plurality of text data and priority data indicative of the priority of said plurality of text

25 data from the outside of the apparatus.

46. A storage medium storing therein a control

program for making a computer realize a voice synthesizing method according to any one of Claims 38 to 41.

5   47. A control program for making a computer realize a voice synthesizing method according to any one of Claims 38 to 41.

48. A storage medium storing therein a control
10   program for making a computer realize a voice synthesizing method according to any one of Claims 42 to 45.

49. A control program for making a computer
15   realize a voice synthesizing method according to any one of Claims 42 to 45.

50. A voice synthesizing apparatus for converting text data into a synthetic voice and outputting it,
20   characterized by:
     voice waveform generating means for generating the voice waveform of said text data; and
     voice output means for voice-synthesizing a plurality of said text data with different kinds of
25   voices and outputting them.

51. A voice synthesizing apparatus according to

Claim 50, characterized in that said different kinds of

voices differ in frequency band from each other.

52.   A voice synthesizing apparatus according to

5   Claim 50, characterized in that said voice output means

has a phoneme storing portion storing therein a

plurality of kinds of pheneme data corresponding to

said different kinds of voices, and a voice waveform

generating portion for processing said phoneme data in

10   accordance with processing parameters corresponding to

said different kinds of voices, and generating

synthetic voices.

53.   A voice synthesizing apparatus according to

15   Claim 52, characterized in that said processing

parameters include at least one of a frequency band, a

voice level and a voice speed.

54.   A voice synthesizing apparatus according to

20   Claim 50, characterized in that said different kinds of

voices are voices corresponding to different sexes.

55.   A voice synthesizing apparatus according to

Claim 50, characterized by the provision of selecting

25   means for selecting any of a predetermined number of

kinds of voices, and in that said voice output means

generates a synthetic voice in accordance with said

selected voice and outputs it.

56. A voice synthesizing apparatus according to Claim 50, characterized in that said different kinds of voices differ in height from each other.

57. A voice synthesizing apparatus according to Claim 50, characterized in that said voice output means selectively outputs a predetermined number of kinds of voices in predetermined order.

58. A voice synthesizing apparatus according to Claim 50, characterized in that said different kinds of voices are voices corresponding to different ages.

59. A voice synthesizing apparatus for converting text data into a synthetic voice and outputting it, characterized by voice waveform generating means for generating the voice waveform of said text data, and voice output means for causing respective voices to be outputted from different uttering means when the overlapping of the voice outputs of a plurality of said text data is detected.

60. A voice synthesizing apparatus according to Claim 59, characterized by setting means capable of arbitrarily setting said uttering means used.

61. A voice synthesizing apparatus according to any one of Claims 50 to 60, characterized in that it is applicable to a system for making conversation by said text data through Internet.

5

62. A voice synthesizing system provided with a voice output apparatus for converting text data into a synthetic voice and outputting it, and an external apparatus for transmitting said text data to said voice

10 output apparatus, characterized in that said voice output apparatus has voice waveform generating means for generating the voice waveform of said text data, and voice output means for voice-synthesizing a plurality of said text data with different kinds of

15 voices and outputting them.

63. A voice synthesizing system according to Claim 62, characterized in that said different kinds of voices differ in frequency band from each other.

20

64. A voice synthesizing system according to Claim 62, characterized in that said voice output means has a phoneme storing portion storing therein a plurality of kinds of phoneme data corresponding to

25 said different kinds of voices, and a voice waveform generating portion for processing said phoneme data in accordance with processing parameters corresponding to

said different kinds of voices, and generating a
synthetic voice.

65.   A voice synthesizing system according to
5   Claim 64, characterized in that said processing
parameters include at least one of a frequency band, a
voice level and a voice speed.

66.   A voice synthesizing system according to
10   Claim 62, characterized in that said different kinds of
voices are voices corresponding to different sexes.

67.   A voice synthesizing system according to
claim 62, characterized in that said voice output
15   apparatus is provided with selecting means for
selecting any of a predetermined number of kinds of
voices, and said voice output means generates a
synthetic voice in accordance with said selected voice
and outputs it.

20

68.   A voice synthesizing system according to
Claim 62, characterized in that said different kinds of
voices differ in height from each other.

25   69.   A voice synthesizing system according to
Claim 62, characterized in that said voice output means
selectively outputs a predetermined number of kinds of

voices in predetermined order.

70. A voice synthesizing system according to Claim 62, characterized in that said different kinds of voices are voices corresponding to different ages.

71. A voice synthesizing system provided with a voice output apparatus for converting text data into a synthetic voice and outputting it, and an external apparatus for transmitting said text data to said voice output apparatus, characterized in that said voice output apparatus has voice waveform generating means for generating the voice waveform of said text data, and voice output means for causing respective voices to be outputted from different uttering means when the overlapping of the voice outputs of a plurality of said text data is detected.

72. A voice synthesizing system according to Claim 71, characterized in that said voice output apparatus has setting means capable of arbitrarily setting said uttering means used.

73. A voice synthesizing system according to any one of Claims 61 to 71, characterized in that it is applicable to a system for making conversation by said text data through Internet.

74. A voice synthesizing method applied to a voice output apparatus for converting text data into a synthetic voice and outputting it, characterized by the voice waveform generating step of generating the voice

5   waveform of said text data, and the voice outputting step of voice-synthesizing a plurality of said text data with different kinds of voices and outputting them.

10   75. A voice synthesizing method according to Claim 74, characterized in that said different kinds of voices differ in frequency band from each other.

76. A voice synthesizing method according to

15   Claim 74, characterized in that said voice outputting step has the phoneme storing step of storing a plurality of kinds of phoneme data corresponding to said different kinds of voices, and the voice waveform generating step of processing said phoneme data in

20   accordance with processing parameters corresponding to said different kinds of voices, and generating a synthetic voice.

77. A voice synthesizing method according to

25   Claim 74, characterized in that said processing parameters include at least one of a frequency band, a voice level and a voice speed.

78. A voice synthesizing method according to Claim 74, characterized in that said different kinds of voices are voices corresponding to different sexes.

5   79. A voice synthesizing method according to Claim 74, characterized by the selecting step of selecting any of a predetermined number of kinds of voices, and in that at said voice outputting step, a synthetic voice is generated in accordance with said

10   selected voice and outputted.

80. A voice synthesizing method according to Claim 74, characterized in that said different kinds of voices differ in height from each other.

15

81. A voice synthesizing method according to Claim 74, characterized in that at said voice outputting step, a predetermined number of kinds of voices are selectively outputted in predetermined

20   order.

82. A voice synthesizing method according to Claim 74, characterized in that said different kinds of voices are voices corresponding to different ages.

25

83. A voice synthesizing method applied to a voice synthesizing apparatus for converting text data

into a synthetic voice and outputting it, characterized
by the voice waveform generating step of generating the
voice waveform of said text data, and the voice
outputting step of causing respective voices to be
5   outputted from different uttering means when the
overlapping of the voice outputs of a plurality of said
text data is detected.

84.   A voice synthesizing method according to
10   Claim 83, characterized by the setting step capable of
arbitrarily setting said uttering means used.

85.   A voice synthesizing method according to any
one of Claims 74 to 84, characterized in that it is
15   applicable to a system for making conversation by said
text data through Internet.

86.   A storage medium storing therein a control
program for making a computer realize a voice
20   synthesizing method according to any one of Claims 25
to 33.

87.   A control program for making a computer
realize a voice synthesizing method according to any
25   one of Claims 34 to 36.

88.   A voice synthesizing apparatus for converting

text data into a synthetic voice and outputting it, characterized by:

voice waveform generating means for generating the voice waveform of said text data; and

5   voice output means for upping the reproduction speed of the voice waveform and outputting the voice waveform when the overlap of the reproduction timing of the voice waveforms of a plurality of said text data is detected.

10

89.   A voice synthesizing apparatus according to Claim 88, characterized in that said voice output means outputs at a reproduction speed somewhat higher than an ordinary reproduction speed when at the present point

15   of time, there is a voice waveform under voice reproduction and the number of voice waveforms waiting for voice reproduction is one, and outputs at still a higher speed when at the present point of time, there is a voice waveform under voice reproduction and the

20   number of voice waveforms waiting for voice reproduction is two or more.

90.   A voice synthesizing apparatus according to Claim 88, characterized in that it is possible for said

25   voice output means to up the reproduction speed at fine steps conforming to the number of voice waveforms waiting for voice reproduction.

91.   A voice synthesizing apparatus for converting text data into a synthetic voice and outputting it, characterized by:

voice waveform generating means for generating the
5   voice waveform of said text data; and

voice output means for providing, when voice waveforms concerned with a plurality of said text data are to be reproduced, a predetermined blank period after the termination of the reproduction of a
10   preceding voice waveform and before the start of the reproduction of the next voice waveform.

92.   A voice synthesizing apparatus according to Claim 91, characterized in that said blank period can
15   be set arbitrarily.

93.   A voice synthesizing apparatus for converting text data into a synthetic voice and outputting it, characterized by:
20   voice waveform generating means for generating the voice waveform of said text data; and

voice output means for reproducing, when voice waveforms concerned with a plurality of said text data are to be reproduced, a prepared specific voice
25   synthesis waveform after the termination of the reproduction of a preceding voice waveform and before the start of the reproduction of the next voice

waveform.

94. A voice synthesizing apparatus according to
Claim 93, characterized in that said specific voice

5 synthesis waveform is the voice synthesis waveform of a
voice message which can be distinctly known as
punctuation inserted between said preceding voice
waveform and said next voice waveform.

10 95. A voice synthesizing apparatus according to
any one of Claims 88 to 94, characterized in that it is
applicable to a system for voice-broadcasting said text
data in various facilities such as recreation grounds,
and a system for making conversation by said text data

15 through Internet.

96. A voice synthesizing system provided with a
voice synthesizing apparatus for converting text data
into a synthetic voice and outputting it, and an

20 external apparatus for transmitting said text data to
said voice synthesizing apparatus, characterized in
that said voice synthesizing apparatus has voice
waveform generating means for generating the voice
waveform of said text data, and voice output means for

25 upping the reproduction speed of the voice waveform and
outputting the voice waveform when the overlap of the
reproduction timing of the voice waveforms of a

plurality of said text data is detected.

97. A voice synthesizing system according to
Claim 96, characterized in that said voice output means
5   of said voice synthesizing apparatus outputs at a
reproduction speed somewhat higher than an ordinary
reproduction speed when at the present point of time,
there is a voice waveform under voice reproduction and
the number of voice waveforms waiting for voice
10   reproduction is one, and outputs at still a higher
reproduction speed when at the present point of time,
there is a voice waveform under voice reproduction and
the number of voice waveforms waiting for voice
reproduction is two or more.
15

98. A voice synthesizing system according to
Claim 96, characterized in that it is possible for said
voice output means of said voice synthesizing apparatus
to up the reproduction speed at fine steps conforming
20   to the number of voice waveforms waiting for voice
reproduction.

99. A voice synthesizing system provided with a
voice synthesizing apparatus for converting text data
25   into a synthetic voice, and an external apparatus for
transmitting said text data to said voice synthesizing
apparatus, characterized in that said voice

synthesizing apparatus has voice waveform generating

means for generating the voice waveform of said text

data, and voice output means for providing, when voice

waveforms concerned with a plurality of said text data

5   are to be reproduced, a predetermined blank period

after the termination of the reproduction of a

preceding voice waveform and before the start of the

reproduction of the next voice waveform.

10   100. A voice synthesizing system according to

Claim 99, characterized in that said blank period can

be set arbitrarily.

      101. A voice synthesizing system provided with a

15   voice synthesizing apparatus for converting text data

into a synthetic voice and outputting it, and an

external apparatus for transmitting said text data to

said voice synthesizing apparatus, characterized in

that said voice synthesizing apparatus has voice

20   waveform generating means for generating the voice

waveform of said text data, and voice output means for

reproducing, when voice waveforms concerned with a

plurality of said text data are to be reproduced, a

prepared specific voice synthesis waveform after the

25   termination of the reproduction of a preceding voice

waveform and before the start of the reproduction of

the next voice waveform.

102.   A voice synthesizing system according to
Claim 101, characterized in that said specific voice
synthesis waveform is the voice synthesis waveform of a
voice message which can be distinctly known as
5   punctuation inserted between said preceding voice
waveform and said next voice waveform.

103.   A voice synthesizing system according to any
one of Claims 96 to 102, characterized in that it is
10   applicable to a system for voice-broadcasting said text
data in various facilities such as recreation grounds,
and a system for making conversation by said text data
through Internet.

15   104.   A voice synthesizing method applied to a
voice synthesizing apparatus for converting text data
into a synthetic voice and outputting it, characterized
by the voice waveform generating step of generating the
voice waveform of said text data, and the voice
20   outputting step of upping the reproduction speed of the
voice waveform and outputting the voice waveform when
the overlap of the reproduction timing of the voice
waveforms of a plurality of said text data is detected.

25   105.   A voice synthesizing method according to
Claim 104, characterized in that at said voice
outputting step, the voice waveform is outputted at a

reproduction speed somewhat higher than an ordinary reproduction speed when at the present point of time, there is a voice waveform under voice reproduction and the number of voice waveforms waiting for voice

5 reproduction is one, and the voice waveform is outputted at still a higher speed when at the present point of time, there is a voice waveform under voice reproduction and the number of voice waveforms waiting for voice reproduction is two or more.

10

106. A voice synthesizing method according to Claim 104, characterized in that at said voice outputting step, it is possible to up the reproduction speed at fine steps conforming to the number of voice

15 waveforms waiting for voice reproduction.

107. A voice synthesizing method applied to a voice synthesizing apparatus for converting text data into a synthetic voice and outputting it, characterized

20 by the voice waveform generating step of generating the voice waveform of said text data, and the voice outputting step of providing, when voice waveforms concerned with a plurality of said text data are to be reproduced, a predetermined blank period after the

25 termination of the reproduction of a preceding voice waveform and before the start of the reproduction of the next voice waveform.

108. A voice synthesizing method according to Claim 107, characterized in that said blank period can be set arbitrarily.

5   109. A voice synthesizing method applied to a voice synthesizing apparatus for converting text data into a synthetic voice and outputting it, characterized by the voice waveform generating step of generating the voice waveform of said text data, and the voice

10   outputting step of reproducing, when voice waveforms concerned with a plurality of said text data are to be reproduced, a prepared specific voice synthesis waveform after the termination of the reproduction of a preceding voice waveform and before the start of the

15   reproduction of the next voice waveform.

110. A voice synthesizing method according to Claim 109, characterized in that said specific voice synthesis waveform is the voice synthesis waveform of a

20   voice message which can be distinctly known as punctuation inserted between said preceding voice waveform and said next voice waveform.

111. A voice synthesizing method according to any

25   one of Claim 103 to 109, characterized in that it is applicable to a system for voice-broadcasting said text data in various facilities such as recreation grounds,

and a system for making conversation by said text data through Internet.

112. A storage medium storing therein a control program for making a computer realize a voice synthesizing method according to any one of Claims 17 to 19.

113. A control program for making a computer realize a voice synthesizing method according to any one of Claims 17 to 19.

114. A storage medium storing therein a control program for making a computer realize a voice synthesizing method according to Claim 20 or 21.

115. A control program for making a computer realize a voice synthesizing method according to Claim 20 or 21.

116. A storage medium storing therein a control program for making a computer realize a voice synthesizing method according to any one of Claims 22 to 24.

117. A control program for making a computer realize a voice synthesizing method according to any

one of Claims 22 to 24.

118. A voice synthesizing apparatus for
converting text data into a synthetic voice and
outputting it, characterized by the provision of:

input means for inputting said text data;

voice waveform generating means for generating the
voice waveform of said text data;

voice output means for outputting a voice
concerned with said voice waveform; and

control means for controlling, when a voice
waveform by the inputting of second said text data is
detected during the outputting of a voice concerned
with first said text data, said voice output means so
as to output a voice concerned with said second text
data after the outputting of a voice concerned with
said first text data has been terminated.

119. A voice synthesizing apparatus according to
Claim 118, characterized in that said control means
controls said voice output means so as to make the
reproduction speed of a voice waveform concerned with
said first text data higher than an ordinary speed in
conformity with the detection of a voice waveform by
said second text data.

120. A voice synthesizing apparatus according to

Claim 118, characterized in that said control means
controls said voice output means so as to start the
outputting of a voice concerned with said second text
data after a predetermined period has elapsed after the

5   termination of the outputting of a voice concerned with
said first text data.

       121.   A voice synthesizing apparatus according to
Claim 118, characterized in that said control means

10   controls said voice output means so as to output a
predetermined voice after the termination of the
outputting of the voice concerned with said first text
data, and thereafter output the voice concerned with
said second text data.

15

       122.   A voice synthesizing apparatus according to
Claim 118, characterized in that said control means
outputs the voice concerned with said first text data
and the voice concerned with said second text data at

20   an ordinary reproduction speed.

       123.   A voice synthesizing apparatus according to
Claim 118, characterized by the provision of storage
means for storing therein voice waveform data generated

25   by said voice waveform generating means, and in that
said control means controls said voice output means so
as to change the reproduction speed of said voice

waveform in conformity with the number of the voice
waveform data conforming to said inputted text data
stored in said storage means.

5   124. A voice synthesizing method applied to a
voice synthesizing apparatus for converting text data
into a synthetic voice and outputting it, characterized
by:
       the inputting step of inputting said text data;
10   the voice waveform generating step of generating
the voice waveform of said text data;
       the voice outputting step of outputting a voice
concerned with said voice waveform; and
       the controlling step of controlling, when the
15 voice waveform by the inputting of second said text
data is detected during the outputting of a voice
concerned with first said text data, said voice
outputting step so as to output a voice concerned with
said second text data after the outputting of the voice
20 concerned with said first text data is terminated.

       125. A voice synthesizing method according to
Claim 124, characterized in that at said controlling
step, said voice outputting step is controlled so as to
25 make the reproduction speed of a voice waveform
concerned with said first text data higher than an
ordinary speed in conformity with the detection of a

voice waveform by said second text data.

126. A voice synthesizing method according to Claim 124, characterized in that at said controlling step, said voice outputting step is controlled so as to start the outputting of the voice concerned with said second text data after a predetermined period has elapsed after the termination of the outputting of the voice concerned with said first text data.

127. A voice synthesizing method according to Claim 124, characterized in that at said controlling step, said voice outputting step is controlled so as to output the voice concerned with said second text data after a predetermined voice has been outputted after the outputting of the voice concerned with said first text data.

128. A voice synthesizing method according to Claim 124, characterized in that at said controlling step, the voice concerned with said first text data and the voice concerned with said second text data are outputted at an ordinary reproduction speed.

129. A voice synthesizing method according to Claim 124, characterized by the storing step of storing voice waveform data generated by said voice waveform

generating step, and in that at said controlling step, said voice outputting step is controlled so as to change the reproduction speed of said voice waveform in conformity with the number of the voice waveform data

5   conforming to said inputted text data stored at said storing step.

130.   A storage medium storing therein a control program for making a computer realize a voice

10   synthesizing method according to any one of Claims 124 to 129.

131.   A control program for making a computer realize a voice synthesizing method according to any

15   one of Claims 124 to 129.